



AFCTN Test Report 93-029

AFCTB-ID
93-076



Technical Raster Transfer



Using:

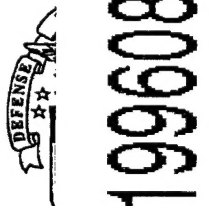
Rockwell International Data



MIL-R-28002A (Raster)



Quick Short Test Report



02 August 1993

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Rockwell International Data

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Quick Short Test Report

2 August 1993

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1. Introduction

1.1 Background

The Department of Defense (DoD) Air Force Continuous Acquisition and Life-Cycle Support (CALs) Test Network (AFCTN) is conducting tests of the military standard for the Automated Interchange of Technical Information, MIL-STD-1840A, and its companion suite of military specifications. The AFCTN is a DoD sponsored confederation of voluntary participants from industry and government managed by the Electronic Systems Center (ESC).

The primary objective of the AFCTN is to evaluate the effectiveness of the CALs standards for technical data interchange and to demonstrate the technical capabilities and operational suitability of those standards. Two general categories of tests are performed to evaluate the standards; formal and informal.

Formal tests are large and comprehensive, which follow a written test plan, require specific authorization from the DoD, and may take months to prepare, execute, and report.

Informal tests are quick and short, used by the AFCTN technical staff, to broaden the testing base. They include representative samples of the many systems and applications used by AFCTN participants. They also allow the AFCTN staff to gain feedback from many industry and government interpretations of the standards, to increase the base of participation in the CALs initiative, and respond to the many requests for help that come from participants. Participants take part voluntarily, benefit by receiving an evaluation of their latest implementation (interpretation) of the standards, interact with the AFCTN technical staff, gain experience using the standards, and develop increased confidence in them. The results of informal tests are reported in Quick Short Test Reports (QSTRs) that briefly summarize the standard(s) tested, the hardware and software used, the nature of the test, and the results.

1.2 Purpose

The purpose of the informal test, reported in this QSTR, was to analyze Rockwell International's interpretation and use of the CALS standards, in transferring technical Raster data. Rockwell used its CALS Technical Data Interchange System to produce data, in accordance with the standards, and delivered it to the AFCTN technical staff on two 9-track magnetic tapes.

2. Test Parameters

Test Plan: AFCTB 93-076

Date of Evaluation: 2 August 1993

Evaluator: George Elwood
Air Force CALS Test Bed
HQ ESC/ENCP
4027 Colonel Glenn Hwy
Suite 200
Dayton OH 45431-1672

Data Originator: John Amrsby
Rockwell International
Tactical Systems Division
1800 Satellite Blvd
Duluth GA 30136

Data Description: Technical Manual Test
2 Document Declaration files
6 Raster files

Data Source System: 1840

HARDWARE

SOFTWARE Unknown

Unknown

Raster

HARDWARE

SOFTWARE Unknown

Unknown

Evaluation Tools Used:

MIL-STD-1840A (TAPE)

SUN 3/280

AFCTN Tapetool v1.2.10 UNIX

AGFA Compugraphics CAPS/CALS v40.4

PC 486/50

AFCTN Tapetool v1.2.10 DOS

MIL-R-28002 (Raster)

SUN SparcStation 2

AFCTN validg4

AFCTN calstb.475

Standards

Tested:

MIL-STD-1840A

MIL-R-28002A

3. 1840A Analysis

3.1 External Packaging

The tapes arrived at the Air Force CALS Test Bed (AFCTB) enclosed in a commercial mailing envelop. The exterior of the envelop was not marked with a magnetic tape warning label as required by MIL-STD-1840A, para. 5.3.1.3.

The tapes were not enclosed in a barrier bag or barrier sheet material as required by MIL-STD-1840A, para. 5.3.1.2. Inspection of the tape reels showed a lack of the label indicating the recording density, as required by MIL-STD-1840A, para. 5.3.1. Some 9-track tape units require this BPI to be set manually. Packing lists, showing all files recorded on the tapes, were not enclosed in the envelop.

3.2 Transmission Envelope

Both 9-track tapes received by the AFCTB contained MIL-STD-1840A files. The files were named per the standard conventions.

3.2.1 Tape One

3.2.1.1 Tape Formats

Tape one was run through the AFCTN *Tapetool v1.2.10* utility. One Warning was encountered while evaluating the contents of the tape labels. Carriage returns were found in the Declaration file. While not an error, these could cause problems in some systems. Normally carriage returns are inserted if MS-DOS based systems are used. All of the errors are shown in Appendix A, Section Two, Tape Import Log.

*** WARNING - This variable length record type file contained carriage control characters. Carriage control characters are used as record terminators and are interpreted differently among dissimilar systems.

The tape was read using the AGFA CAPS read1840A utility without any reported errors.

The physical structure of tape one meets the CALS MIL-STD-1840A requirements.

3.2.1.2 Declaration and Header Fields

No errors were found in the Document Declaration file and data file headers. This portion of tape one meets the CALS MIL-STD-1840A requirements.

3.2.2 Tape Two

3.2.2.1 Tape Formats

Tape two was run through the AFCTN Tapetool v1.2.10 utility. Fifteen errors and six notes were encountered while evaluating the contents of the tape labels. Four notes were "Invalid record size encountered" All of the errors are shown in Appendix A, Section Two, Tape Import Log.

D001 Document Declaration D/00128 02048/000001 Extracted
*** NOTE (MIL-STD-1840A; 5.2.1.3) - Unexpected maximum variable record size encountered. Header => 128, Expected => 260
*** NOTE (ANSI X3.27; 8.5.2.6) - Record Length for Recording Format Type D shall be the maximum length of a Measured Data Unit (MDU).
*** NOTE (ANSI X3.27; 7.2.3) - A variable length record shall be contained in an MDU. An MDU consists of a four byte Record Control Word (RCW) followed immediately by the variable record.
*** NOTE (ANSI X3.4) - A Record Control Word shall consist of four characters that express the sum of the lengths of the RCW and the variable record.

Some of the errors related to the tape label Record Length field for Type D files. Type D files contain variable length records that do not span blocks. All of the Type D files written on the tape were flagged with an illegal value for Record Length. The D001 file was expected to be Type D according to MIL-STD-1840A. The AFCTN Tapetool is expecting a value of 260 in the Record Length field but encountered a record length of 128. MIL-STD-1840A para. 5.2.1.3 requires

the variable record size be a maximum of 256 bytes. ANSI X3.27 para. 7.2.3 further states that the length of a Record Control Word (RCW) must be included in a Measured Data Unit (MDU) record length computation. This adds four bytes to the 256 for an MDU total of 260 bytes. ANSI X3.27 para. 8.5.2.6 states that the Record Length field for Type D files shall contain the maximum length of an MDU. While MIL-STD-1840A permits variable length records. Some software programs are sensitive to the number 260 because it is used to limit the record size when unblocking data. Some systems need this value to declare the maximum allowable record size as an attribute of a file when it is created.

A note was reported on the tape label version. MIL-STD-1840A permits the use of both versions three and four. The use of the most current standard should be used and noted.

Multiple errors were reported in the block count. The block count should start at 0000. The EOF block counts were also left blank.

Block Count:
Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.13) - HDR1 Block Count must always be '000000'.

The AFCTN *Tapetool* reported that the last block of file D001 was not complete. This file should be padded to fill the block. Some tape drives will not process short blocks.

*** NOTE - Last block was incomplete. Short blocks are prone to be interpreted as noise by some tape drives.
Tape Label => 2048, Actual => 346, Block Number => 1

The tape was read using the AGFA CAPS *read1840A* utility with reported errors. The errors relate to the incorrect block size reported by the AFCTN *Tapetool* above.

The physical structure of tape two does not meet the CALS MIL-STD-1840A requirements.

3.2.2.2 Declaration and Header Fields

No errors were found in the Document Declaration file and data file headers. This portion of tape two meets the CALS MIL-STD-1840A requirements.

4. IGES Analysis

No Initial Graphics Exchange Specification (IGES) files were included on these tapes.

5. SGML Analysis

No Standard Generalized Markup Language (SGML) files were included on these tapes.

6. Raster Analysis

The tapes contained three Raster files each. All six files were evaluated using the AFCTN *validg4* utility. This program reported that none of the files meet the CALS MIL-R-28002A specification.

A visual inspection of the Raster files showed that they were not constructed correctly. The Raster data should start at Hex 4000, it starts at Hex 5000. Because the data does not start at the correct location, the software tools can not find the correct data.

```
0002400  n o t e s : sp N o n e sp sp sp sp sp
0002420  sp sp sp sp sp sp sp sp sp sp sp sp sp sp sp
*
0005000  del del del del del del - eot u del del y soh R us /
0005020  ? z del del } r P nl > etx / " 4 etb ~ si
```

An attempt to read the files into the AFCTN *calstb.475* viewing utility resulted in a core dump with all six files.

The Raster files do not meet the CALS MIL-R-28002A specification.

7. CGM Analysis

The tapes contained no Computer Graphics Metafile (CGM) files.

8. Conclusions and Recommendations

Tape one from Rockwell International was basically correct. The tape could be read properly using the AFCTN Tapetool without a reported error. The physical structure of tape one meets the CALS MIL-STD-1840A requirements.

Tape two had critical errors which were reported by two different tape read utilities. The physical structure of tape two does not meet the CALS MIL-STD-1840A requirements.

The errors with the Raster images are serious. The construction of the Raster files appears to be flawed resulting with unusable files. These files were checked using two different Raster software tools. The Raster data starts 1000 Hex after the required locations. The Raster files on both tapes do not meet the CALS MIL-R-28002A specification.

The tapes do not meet the CALS MIL-STD-1840A requirements.

9. Appendix A - Tapetool Report Logs

9.1 Tape Catalog - Tape One

Air Force CALS Test Network Catalog Evaluation - Version 1.2; Release 10 (C)

Standards referenced:

MIL-STD-1840A (1987) - Automated Interchange of Technical Information

ANSI X3.27 (1987) - File Structure and Labeling of Magnetic Tapes
for Information Interchange

ANSI X3.4 (1986) - Coded Character Sets - 7 Bit ASCII

Sat Jul 31 11:24:13 1993

MIL-STD-1840A File Catalog

File Set Directory: /cals/u1210/Set004

Page: 1

| File Name | File Type | Record Format/ Length | Block Length/Total | Selected/ Extracted |
|-----------|----------------------|-----------------------------|-----------------------|------------------------|
| D001 | Document Declaration | D/00260 | 02048/000001 | Extracted |
| D001R001 | Raster | F/00128 | 02048/000042 | Extracted |
| D001R002 | Raster | F/00128 | 02048/000026 | Extracted |
| D001R003 | Raster | F/00128 | 02048/000026 | Extracted |

Catalog Process terminated normally.

9.2 Tape Evaluation Log - Tape One

Air Force CALS Test Network Tape Evaluation - Version 1.2; Release 10 (C)

Standards referenced:

ANSI X3.27 (1987) - File Structure and Labeling of Magnetic Tapes
for Information Interchange

ANSI X3.4 (1986) - Coded Character Sets - 7 Bit ASCII

Sat Jul 31 11:24:07 1993

ANSI Tape Import Log

Allocating tape drive /dev/rmt0...

/dev/rmt0 allocated.

VOL1CALS01

4

Label Identifier: VOL1
Volume Identifier: CALS01
Volume Accessibility:
Owner Identifier:
Label Standard Version: 4

HDR1D001 CALS0100010001000000 93193 00000 000000

Label Identifier: HDR1
File Identifier: D001
File Set Identifier: CALS01
File Section Number: 0001
File Sequence Number: 0001
Generation Number: 0000
Generation Version Number: 00
Creation Date: 93193
Expiration Date: 00000
File Accessibility:
Block Count: 000000
Implementation Identifier:

HDR2D0204800260

00

Label Identifier: HDR2
Recording Format: D
Block Length: 02048
Record Length: 00260
Offset Length: 00

Actual Block Size Found = 2048 Bytes.

Number of data blocks read = 1.

EOF1D001 CALS0100010001000000 93193 00000 000001

EOF2D0204800260

00

***** Tape Mark *****

<<<<< PART OF LOG FILE REMOVED HERE >>>>>

End of Volume CALS01

End Of Tape File Set

```
Deallocating /dev/rmt0...
```

Tape Import Process terminated with 0 error(s), 1 warning(s),
and 0 note(s).

9.3 Tape File Set Validation Log - Tape One

Air Force CALS Test Network File Set Evaluation - Version 1.2; Release 10 (C)

Standards referenced:

MIL-STD-1840A (1987) - Automated Interchange of Technical Information

Sat Jul 31 11:24:13 1993

MIL-STD-1840A File Set Evaluation Log

File Set: Set004

Found file: D001

Extracting Document Declaration Header Records...

Evaluating Document Declaration Header Records...

srcsys: ROCKWELL INTERNATIONAL TACTICAL SYSTEMS DIVISION, DULUTH GA. 30136

srcdocid: 001

srcrelid: NONE

chglvl: ORIGINAL

dteisu: 19930707

dstsys: unknown

dstdocid: 001

dstrelid: NONE

dtetrm: 19930712

dlvacc: NONE

filcnt: R3

ttlcls: UNCLASSIFIED

doccls: UNCLASSIFIED

doctyp: Product Data

docttl: NONE

Found file: D001R001

Extracting Raster Header Records...

Evaluating Raster Header Records...

srcdocid: HS020932 51215 B D 00010001UMED N8 001

dstdocid: AGM-130

txtfilid: NONE

figid: None

srcgph: NONE
doccls: Unclass
rtype: 1
rorient: 090,270
rpelcnt: 004468,006860
rdensty: 0200
notes: None

<<<<< PART OF LOG FILE REMOVED HERE >>>>>

Evaluating numbering scheme...
No errors were encountered during numbering scheme evaluation.
Numbering scheme evaluation complete.

Checking file count...
No errors were encountered during file count verification.
File Count verification complete.

No errors were encountered in Document D001.

No errors were encountered in this File Set.

MIL-STD-1840A File Set Evaluation Complete.

9.4 Tape Catalog - Tape Two

Air Force CALS Test Network Catalog Evaluation - Version 1.2; Release 10 (C)

Standards referenced:

- MIL-STD-1840A (1987) - Automated Interchange of Technical Information
- ANSI X3.27 (1987) - File Structure and Labeling of Magnetic Tapes
for Information Interchange
- ANSI X3.4 (1986) - Coded Character Sets - 7 Bit ASCII

Sat Jul 31 11:29:48 1993

MIL-STD-1840A File Catalog

File Set Directory: /cals/u1210/Set005

Page: 1

| File Name | File Type | Record Format/ Length | Block Length/Total | Selected/ Extracted |
|---|----------------------|-----------------------------|-----------------------|------------------------|
| D001 | Document Declaration | D/00128 | 02048/000001 | Extracted |
| *** NOTE (MIL-STD-1840A; 5.2.1.3) - Unexpected maximum variable record size encountered. Header => 128, Expected => 260 | | | | |
| *** NOTE (ANSI X3.27; 8.5.2.6) - Record Length for Recording Format Type D shall be the maximum length of a Measured Data Unit (MDU). | | | | |
| *** NOTE (ANSI X3.27; 7.2.3) - A variable length record shall be contained in an MDU. An MDU consists of a four byte Record Control Word (RCW) followed immediately by the variable record. | | | | |
| *** NOTE (ANSI X3.4) - A Record Control Word shall consist of four characters that express the sum of the lengths of the RCW and the variable record. | | | | |
| D001R001 | Raster | F/00128 | 02048/000042 | Extracted |
| D001R002 | Raster | F/00128 | 02048/000026 | Extracted |
| D001R003 | Raster | F/00128 | 02048/000026 | Extracted |

Catalog Process terminated with 0 error(s), 0 warning(s), and 4 note(s).

9.5 Tape Evaluation Log - Tape Two

Air Force CALS Test Network Tape Evaluation - Version 1.2; Release 10 (C)

Standards referenced:

ANSI X3.27 (1987) - File Structure and Labeling of Magnetic Tapes
for Information Interchange

ANSI X3.4 (1986) - Coded Character Sets - 7 Bit ASCII

Sat Jul 31 11:29:42 1993

ANSI Tape Import Log

Allocating tape drive /dev/rmt0...

/dev/rmt0 allocated.

VOL1CALS01

STEWART

3

Label Identifier: VOL1
Volume Identifier: CALS01
Volume Accessibility:
Owner Identifier: STEWART
Label Standard Version: 3

*** NOTE (ANSI X3.27; 8.3.1.8) - The Label Standard Version
should be 4 to represent the current level of ANSI X3.27.

HDR1D001

CALS0100010001000100 93192 93192

Label Identifier: HDR1
File Identifier: D001
File Set Identifier: CALS01
File Section Number: 0001
File Sequence Number: 0001
Generation Number: 0001
Generation Version Number: 00
Creation Date: 93192
Expiration Date: 93192
File Accessibility:
Block Count:
Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.13) - HDR1 Block Count must always be '000000'.

HDR2D020480012800STEWART /ANSITAPE

B

00

Label Identifier: HDR2
Recording Format: D
Block Length: 02048
Record Length: 00128
Offset Length: 00

***** Tape Mark *****

Actual Block Size Found = 346 Bytes.

*** NOTE - Last block was incomplete. Short blocks are
proned to be interpreted as noise by some tape drives.
Tape Label => 2048, Actual => 346, Block Number => 1

Number of data blocks read = 1.

***** Tape Mark *****

EOF1D001 CALS0100010001000100 93192 93192

Label Identifier: EOF1
File Identifier: D001
File Set Identifier: CALS01
File Section Number: 0001
File Sequence Number: 0001
Generation Number: 0001
Generation Version Number: 00
Creation Date: 93192
Expiration Date: 93192
File Accessibility:
Block Count:
Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.1) - Columns 74-80 are reserved
for future standardization and must be spaces.

*** ERROR (ANSI X3.27; 8.5.1.13) - EOF1 Block Count does not equal
to the actual block count. Expected => 0; Actual => 1

EOF2D020480012800STEWART /ANSITAPE B 00

Label Identifier: EOF2
Recording Format: D
Block Length: 02048
Record Length: 00128
Offset Length: 00

***** Tape Mark *****

HDR1D001R001 CALS0100010002000100 93192 70001

Label Identifier: HDR1
File Identifier: D001R001
File Set Identifier: CALS01
File Section Number: 0001
File Sequence Number: 0002
Generation Number: 0001
Generation Version Number: 00
Creation Date: 93192
Expiration Date: 70001
File Accessibility:
Block Count:
Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.1) - Columns 74-80 are reserved
for future standardization and must be spaces.

*** ERROR (ANSI X3.27; 8.5.1.13) - HDR1 Block Count must always be '000000'.

HDR2F020480012800STEWART /ANSITAPE M B 00

Label Identifier: HDR2
Recording Format: F
Block Length: 02048
Record Length: 00128
Offset Length: 00

***** Tape Mark *****

Actual Block Size Found = 2048 Bytes.

Number of data blocks read = 42.

***** Tape Mark *****

EOF1D001R001 CALS0100010002000100 93192 70001

Label Identifier: EOF1
File Identifier: D001R001
File Set Identifier: CALS01
File Section Number: 0001
File Sequence Number: 0002
Generation Number: 0001
Generation Version Number: 00

Creation Date: 93192
Expiration Date: 70001
File Accessibility:
Block Count:
Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.1) - Columns 74-80 are reserved
for future standardization and must be spaces.

*** ERROR (ANSI X3.27; 8.5.1.13) - EOF1 Block Count does not equal
to the actual block count. Expected => 0; Actual => 42

EOF2F020480012800STEWART /ANSITAPE M B 00

Label Identifier: EOF2
Recording Format: F
Block Length: 02048
Record Length: 00128
Offset Length: 00

***** Tape Mark *****

HDR1D001R002 CALS0100010003000100 93192 70001

Label Identifier: HDR1
File Identifier: D001R002
File Set Identifier: CALS01
File Section Number: 0001
File Sequence Number: 0003
Generation Number: 0001
Generation Version Number: 00
Creation Date: 93192
Expiration Date: 70001
File Accessibility:
Block Count:
Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.1) - Columns 74-80 are reserved
for future standardization and must be spaces.

*** ERROR (ANSI X3.27; 8.5.1.13) - HDR1 Block Count must always be '000000'.

HDR2F020480012800STEWART /ANSITAPE M B 00

Label Identifier: HDR2
Recording Format: F
Block Length: 02048

Record Length: 00128
Offset Length: 00

***** Tape Mark *****

Actual Block Size Found = 2048 Bytes.

Number of data blocks read = 26.

***** Tape Mark *****

EOF1D001R002 CALS0100010003000100 93192 70001

Label Identifier: EOF1
File Identifier: D001R002
File Set Identifier: CALS01
File Section Number: 0001
File Sequence Number: 0003
Generation Number: 0001
Generation Version Number: 00
Creation Date: 93192
Expiration Date: 70001
File Accessibility:
Block Count:
Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.1) - Columns 74-80 are reserved
for future standardization and must be spaces.

*** ERROR (ANSI X3.27; 8.5.1.13) - EOF1 Block Count does not equal
to the actual block count. Expected => 0; Actual => 26

EOF2F020480012800STEWART /ANSITAPE M B 00

Label Identifier: EOF2
Recording Format: F
Block Length: 02048
Record Length: 00128
Offset Length: 00

***** Tape Mark *****

HDR1D001R003 CALS0100010004000100 93192 70001

Label Identifier: HDR1
File Identifier: D001R003
File Set Identifier: CALS01

File Section Number: 0001
File Sequence Number: 0004
Generation Number: 0001
Generation Version Number: 00
Creation Date: 93192
Expiration Date: 70001
File Accessibility:
Block Count:
Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.1) - Columns 74-80 are reserved
for future standardization and must be spaces.

*** ERROR (ANSI X3.27; 8.5.1.13) - HDR1 Block Count must always be '000000'.

HDR2F020480012800STEWART /ANSITAPE M B 00

Label Identifier: HDR2
Recording Format: F
Block Length: 02048
Record Length: 00128
Offset Length: 00

***** Tape Mark *****

Actual Block Size Found = 2048 Bytes.

Number of data blocks read = 26.

***** Tape Mark *****

EOF1D001R003 CALS0100010004000100 93192 70001

Label Identifier: EOF1
File Identifier: D001R003
File Set Identifier: CALS01
File Section Number: 0001
File Sequence Number: 0004
Generation Number: 0001
Generation Version Number: 00
Creation Date: 93192
Expiration Date: 70001
File Accessibility:
Block Count:
Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.1) - Columns 74-80 are reserved

for future standardization and must be spaces.

*** ERROR (ANSI X3.27; 8.5.1.13) - EOF1 Block Count does not equal
to the actual block count. Expected => 0; Actual => 26

EOF2F020480012800STEWART /ANSITAPE M B 00.

Label Identifier: EOF2
Recording Format: F
Block Length: 02048
Record Length: 00128
Offset Length: 00

***** Tape Mark *****

***** Tape Mark *****

End of Volume CALS01

End Of Tape File Set

Deallocating /dev/rmt0...

Tape Import Process terminated with 15 error(s), 0 warning(s),
and 2 note(s).

9.6 Tape File Set Validation Log - Tape Two

Air Force CALS Test Network File Set Evaluation - Version 1.2; Release 10 (C)

Standards referenced:

MIL-STD-1840A (1987) - Automated Interchange of Technical Information

Sat Jul 31 11:29:48 1993

MIL-STD-1840A File Set Evaluation Log

File Set: Set005

Found file: D001

Extracting Document Declaration Header Records...

Evaluating Document Declaration Header Records...

srcsys: ROCKWELL INTERNATIONAL TACTICAL SYSTEMS DIVISION, DULUTH GA. 30136

srcdocid: 001

srcrelid: NONE

chglvl: ORIGINAL

dteisu: 19930707

dstsys: unknown

dstdocid: 001

dstrelid: NONE

dtetrm: 19930712

dlvacc: NONE

filcnt: R3

ttlcls: UNCLASSIFIED

doccls: UNCLASSIFIED

doctyp: Product Data

docttl: NONE

Found file: D001R001

Extracting Raster Header Records...

Evaluating Raster Header Records...

srcdocid: HS020932 51215 B D 00010001UMED N8 001

dstdocid: AGM-130

txtfilid: NONE

figid: None

srcgph: NONE

doccls: Unclass

rtype: 1

rorient: 090,270

rpelcnt: 004468,006860
rdensty: 0200
notes: None

<<<< PART OF LOG FILE REMOVED HERE >>>>

Evaluating numbering scheme...
No errors were encountered during numbering scheme evaluation.
Numbering scheme evaluation complete.

Checking file count...
No errors were encountered during file count verification.
File Count verification complete.

No errors were encountered in Document D001.

No errors were encountered in this File Set.

MIL-STD-1840A File Set Evaluation Complete.

9.7 Other Tape Reading Logs

```
/cals/caps/Bin/read1840A: --- Read declaration file 'D001      ' ---  
*** ERROR - block counts do not match ***  
      block count in trailer: 0, blocks read: 1  
/cals/caps/Bin/read1840A: writing data file 'aftb9376/001/0011.R.cci'.  
*** ERROR - block counts do not match ***  
      block count in trailer: 0, blocks read: 42  
/cals/caps/Bin/read1840A: writing data file 'aftb9376/001/0012.R.cci'.  
*** ERROR - block counts do not match ***  
      block count in trailer: 0, blocks read: 26  
/cals/caps/Bin/read1840A: writing data file 'aftb9376/001/0013.R.cci'.  
*** ERROR - block counts do not match ***  
      block count in trailer: 0, blocks read: 26  
-- declaration file indicates 0 files of type T  
-- declaration file indicates 0 files of type G  
-- declaration file indicates 0 files of type H  
-- declaration file indicates 0 files of type Q  
-- declaration file indicates 3 files of type R  
-- declaration file indicates 0 files of type C  
-- declaration file indicates 0 files of type X  
-- declaration file indicates 0 files of type P  
-- declaration file indicates 0 files of type Z
```